

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/511,795
Source: PCT
Date Processed by STIC: 11/2/04

ENTERED

CRF ERRORS Edited By the STIC Systems Branch

Serial Number: 10511,795 : CRF Edit Date: 11-2-04
Edited by: ZL

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

Corrected the SEQ ID NO. Sequence numbers edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: invalid beginning/end-of-file text ; page numbers

Inserted mandatory headings/numeric identifiers, specifically:

Moved responses to same line as heading/numeric identifier, specifically:

Other:



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/511,795

DATE: 11/02/2004
TIME: 14:09:15

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\11022004\J511795.raw

3 <110> APPLICANT: YALE UNIVERSITY
5 <120> TITLE OF INVENTION: TOLL-LIKE RECEPTOR 11 AND TOLL-LIKE RECEPTOR 12
7 <130> FILE REFERENCE: YU-P01-017
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/511,795
C--> 10 <141> CURRENT FILING DATE: 2004-10-19
12 <150> PRIOR APPLICATION NUMBER: 60/374416
13 <151> PRIOR FILING DATE: 2002-04-19
15 <160> NUMBER OF SEQ ID NOS: 8
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 2103
21 <212> TYPE: DNA
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114 35 40 45
117 Gly Ile Glu Lys Val Pro Ala Ser Leu Thr Gly Tyr Ser Glu Leu Arg
118 50 55 60
121 Ala Leu Asp Leu Gly Lys Asn Gln Ile Gln Asn Ile Leu Glu Asn Gly
122 65 70 75 80
125 Glu Ile Pro Gly Tyr Lys Ala Leu Glu Phe Leu Ser Leu His Asp Asn
126 85 90 95
129 His Leu Gln Thr Leu Pro Thr Arg Phe Leu His Thr Leu Pro Gln Leu
130 100 105 110
133 Gln Lys Leu Asn Leu Ser Met Asn Lys Leu Gly Pro Ile Leu Glu Leu
134 115 120 125
137 Pro Glu Gly Leu Phe Ser Thr Asn Leu Lys Val Leu Asp Leu Ser His
138 130 135 140
141 Asn Gln Leu Cys Asp Val Pro His Gly Ala Phe Ser Leu Leu Ser Gln
142 145 150 155 160
145 Leu Gln Glu Leu Trp Leu Ser Gly Asn Asn Ile Ser Ser Leu Ser Asn
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149 Glu Ser Leu Gln Gly Leu Arg Gln Leu Arg Thr Leu Asp Leu Ser Trp
150 180 185 190
153 Asn Gln Ile Lys Val Leu Lys Pro Gly Trp Leu Ser His Leu Pro Ala
154 195 200 205
157 Leu Thr Thr Leu Asn Leu Leu Gly Thr Tyr Leu Glu Asn Ile Leu Gly
158 210 215 220
161 Ile Gln Leu Gln Gly Pro Lys Met Leu Arg His Leu Gln Leu Gly Ser
162 225 230 235 240
165 Tyr Pro Met Leu Asp Ile Tyr Pro Pro Trp Pro Pro Thr Leu Leu Ser
166 245 250 255
169 Leu Glu Ile Gln Ala Glu Ser Cys Ile Gln Phe Met Ile His Ser Gly
170 260 265 270
173 Gln Pro Phe Leu Phe Leu Glu Asn Leu Thr Leu Glu Thr Ser Ile Leu
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177 Leu Leu Lys Pro Asp Asn Ile Thr Ile His Phe Pro Ser Leu Arg Arg

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| 181 | Leu | Thr | Leu | Arg | Gly | Tyr | Ser | Phe | Ile | Phe | Ser | Thr | Ser | Gln | Leu | Gln | |
| 182 | 305 | | 310 | | | | | | 315 | | | | | | 320 | | |
| 185 | Arg | Phe | Phe | Pro | Gln | Gln | Leu | Pro | Leu | Leu | Glu | His | Phe | Phe | Ile | Trp | |
| 186 | | | | | | | | | 325 | | 330 | | | | 335 | | |
| 189 | Cys | Glu | Asn | Ser | Tyr | Ala | Val | Asp | Leu | Tyr | Leu | Phe | Gly | Met | Pro | Arg | |
| 190 | | | | | | | | | 340 | | 345 | | | | 350 | | |
| 193 | Leu | Arg | Val | Leu | Glu | Leu | Gly | Tyr | Leu | Asn | Phe | Phe | Tyr | Glu | Ser | Ser | |
| 194 | | | | | | | | | 355 | | 360 | | | | 365 | | |
| 197 | Thr | Met | Lys | Leu | Glu | Met | Leu | Leu | Lys | Glu | Val | Pro | Gln | Leu | Gln | Val | |
| 198 | | | | | | | | | 370 | | 375 | | | | 380 | | |
| 201 | Leu | Ala | Leu | Ser | His | Leu | Asn | Leu | Arg | Asn | Leu | Ser | Val | Ser | Ser | Phe | |
| 202 | 385 | | | | | | | | 390 | | | | | | 395 | | 400 |
| 205 | Lys | Ser | Leu | Gln | Asp | Leu | Lys | Leu | Leu | Leu | Phe | Asn | Ser | Glu | Arg | Ala | |
| 206 | | | | | | | | | 405 | | | | | | 410 | | 415 |
| 209 | Leu | Glu | Met | Asn | Ser | Asn | Leu | Gln | Glu | Phe | Ile | Pro | Gln | Met | Pro | Gln | |
| 210 | | | | | | | | | 420 | | | | | | 425 | | 430 |
| 213 | Tyr | Val | Tyr | Phe | Ser | Asp | Val | Thr | Phe | Thr | Cys | Gln | Cys | Glu | Ala | Ser | |
| 214 | | | | | | | | | 435 | | 440 | | | | 445 | | |
| 217 | Trp | Leu | Glu | Ser | Trp | Ala | Thr | Arg | Ala | Pro | Asn | Thr | Phe | Val | Tyr | Gly | |
| 218 | | | | | | | | | 450 | | 455 | | | | 460 | | |
| 221 | Leu | Glu | Lys | Ser | Ile | Cys | Ile | Ala | Asn | Ala | Ser | Asp | Tyr | Ser | Lys | Thr | |
| 222 | 465 | | | | | | | | 470 | | | | | | 475 | | 480 |
| 225 | Leu | Leu | Phe | Ser | Phe | Leu | Ala | Thr | Asn | Cys | Pro | His | Gly | Thr | Glu | Phe | |
| 226 | | | | | | | | | 485 | | | | | | 490 | | 495 |
| 229 | Trp | Gly | Phe | Leu | Thr | Ser | Phe | Ile | Leu | Leu | Leu | Leu | Ile | Ile | Leu | | |
| 230 | | | | | | | | | 500 | | 505 | | | | 510 | | |
| 233 | Pro | Leu | Ile | Ser | Cys | Pro | Lys | Trp | Ser | Trp | Leu | His | His | Leu | Trp | Thr | |
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| 257 | Thr | Leu | Cys | Val | Leu | Thr | Gly | Gln | Ala | Leu | Ala | Ser | Pro | Trp | Cys | Asn | |
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| 261 | Leu | Glu | Leu | Arg | Leu | Ala | Thr | Tyr | His | Leu | Val | Ala | Arg | Pro | Gly | Thr | |
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| 266 | | | | | | | | | 645 | | | | | | 650 | | 655 |
| 269 | His | Ser | Tyr | His | Arg | Leu | Ser | Arg | Trp | Leu | Gln | Lys | Glu | Asp | Tyr | Phe | |
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 400 35 40 45
 403 Ser Phe Leu Ala Ala Cys Leu Ser Val Ser Asn Leu Thr Gln Thr Leu
 404 50 55 60
 407 Glu Val Val Pro Arg Thr Val Glu Gly Leu Cys Leu Gly Gly Thr Val
 408 65 70 75 80
 411 Ser Thr Leu Leu Pro Asp Ala Phe Ser Ala Phe Pro Gly Leu Lys Val
 412 85 90 95
 415 Leu Ala Leu Ser Leu His Leu Thr Gln Leu Leu Pro Gly Ala Leu Arg
 416 100 105 110
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 420 115 120 125
 423 Arg Ser Leu Phe Leu Pro Pro Asp Ala Phe Ser Asp Leu Ile Ser Leu
 424 130 135 140
 427 Gln Arg Leu His Ile Ser Gly Pro Cys Leu Asp Lys Lys Ala Gly Ile
 428 145 150 155 160
 431 Arg Leu Pro Pro Gly Leu Gln Trp Leu Gly Val Thr Leu Ser Cys Ile
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 435 Gln Asp Val Gly Glu Leu Ala Gly Met Phe Pro Asp Leu Val Gln Gly
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 444 210 215 220
 447 Val Glu Ile Leu Asp Leu Thr Arg Thr Pro Leu Asp Ala Val Trp Leu
 448 225 230 235 240
 451 Lys Gly Leu Gly Leu Gln Lys Leu Asp Val Leu Tyr Ala Gln Thr Ala
 452 245 250 255
 455 Thr Ala Glu Leu Ala Ala Glu Ala Val Ala His Phe Glu Leu Gln Gly
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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date